

Fig.1

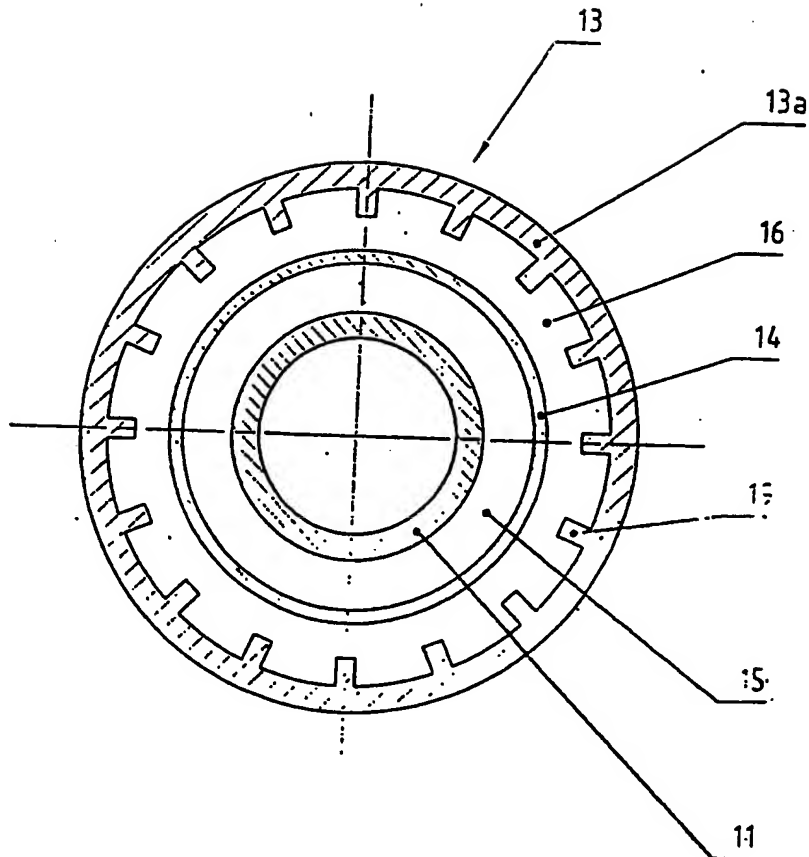


Fig.2

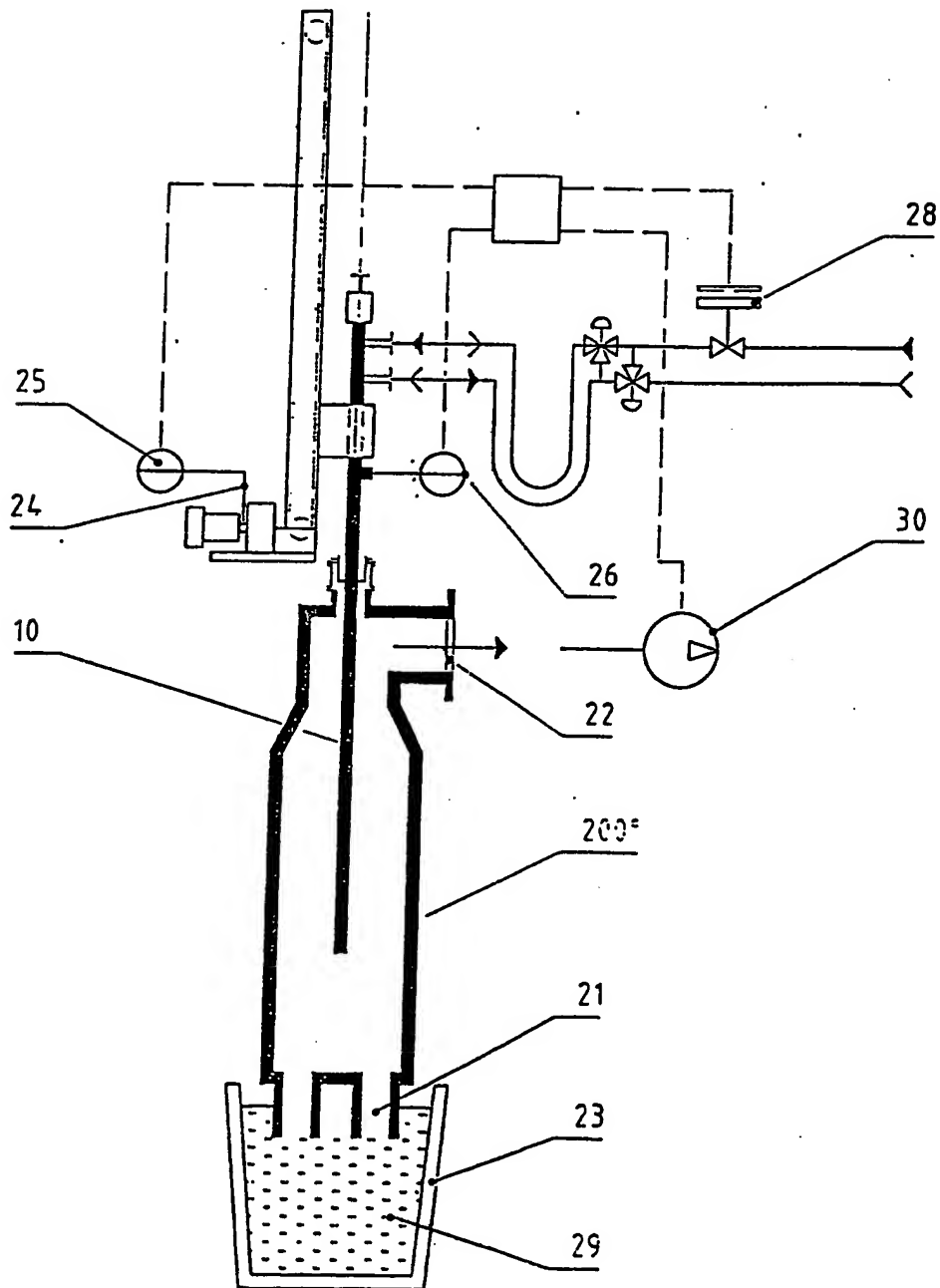


Fig.3

REPLACEMENT SHEET (RULE 26)
~~ERSATZBLATT (REGEL 26)~~

Fig.4

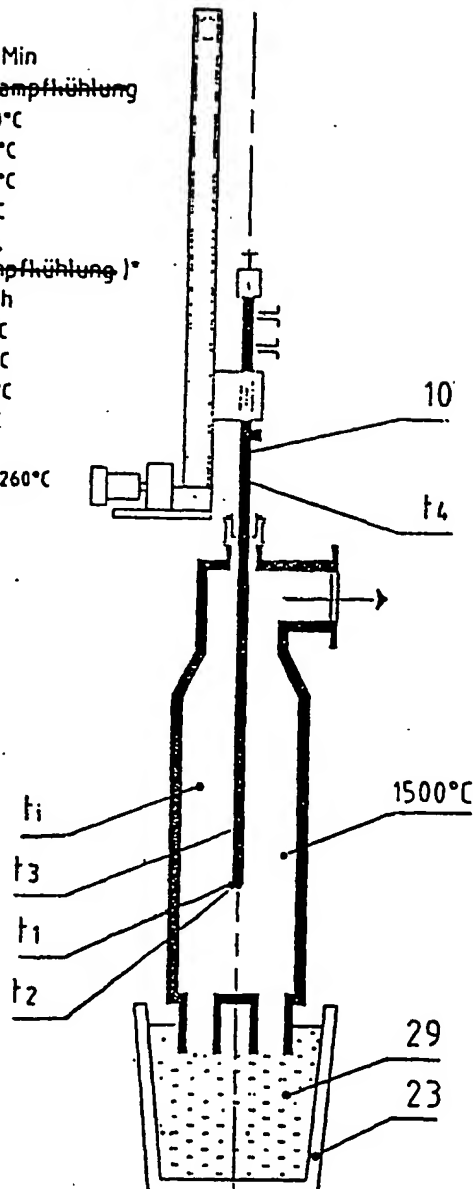
AFTER ~~2~~ 2 Min
 WITHOUT STEAM COOLING ohne Dampfkuhlung

$t_1 = 1060^\circ\text{C}$
 $t_2 = 930^\circ\text{C}$
 $t_3 = 395^\circ\text{C}$
 $t_4 = 70^\circ\text{C}$

WITH STEAM COOLING mit Dampfkuhlung)*

179 kg/h
 $t_1 = 215^\circ\text{C}$
 $t_2 = 215^\circ\text{C}$
 $t_3 = 850^\circ\text{C}$
 $t_4 = 70^\circ\text{C}$

* $t_{0A} = 260^\circ\text{C}$



LANZE IM GEFÄß

- Lanze im Gefäß

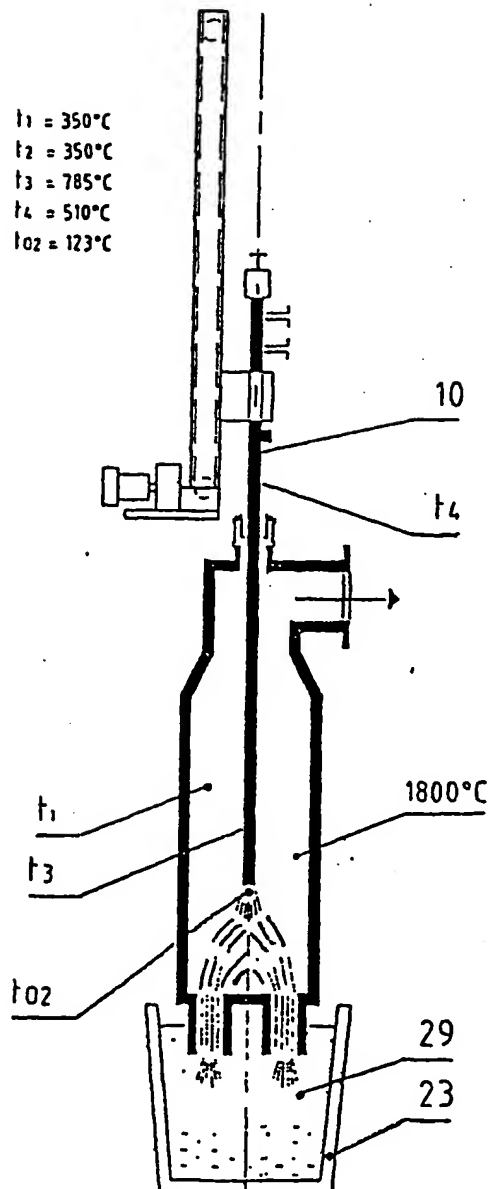
WITHOUT VACUUM ohne Vakuum

- Sauerstoff OXYGEN

LANZE KÜHLUNG - Lanzenkühlung

Fig.5

$t_1 = 350^\circ\text{C}$
 $t_2 = 350^\circ\text{C}$
 $t_3 = 785^\circ\text{C}$
 $t_4 = 510^\circ\text{C}$
 $t_{02} = 123^\circ\text{C}$



LANZE IM GEFÄß

- Lanze im Gefäß

VACUUM - Vakuum 200 mb

- Sauerstoff OXYGEN 1000 Nm³/h

- Kühlung Dampf 10 bar, 160°C

COOLING 1000 kg/h, $t_{0A} = 360^\circ\text{C}$

Fig.6

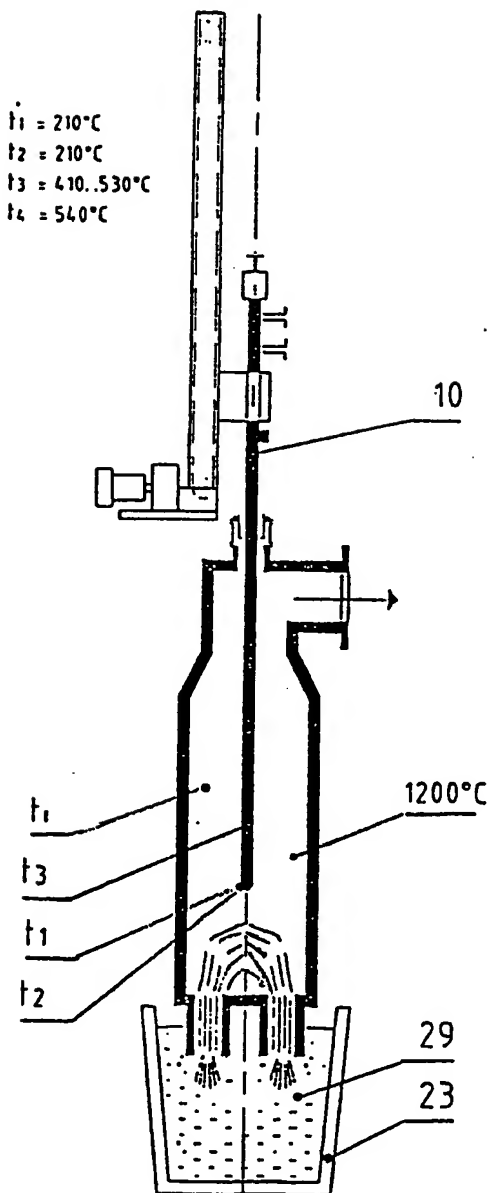
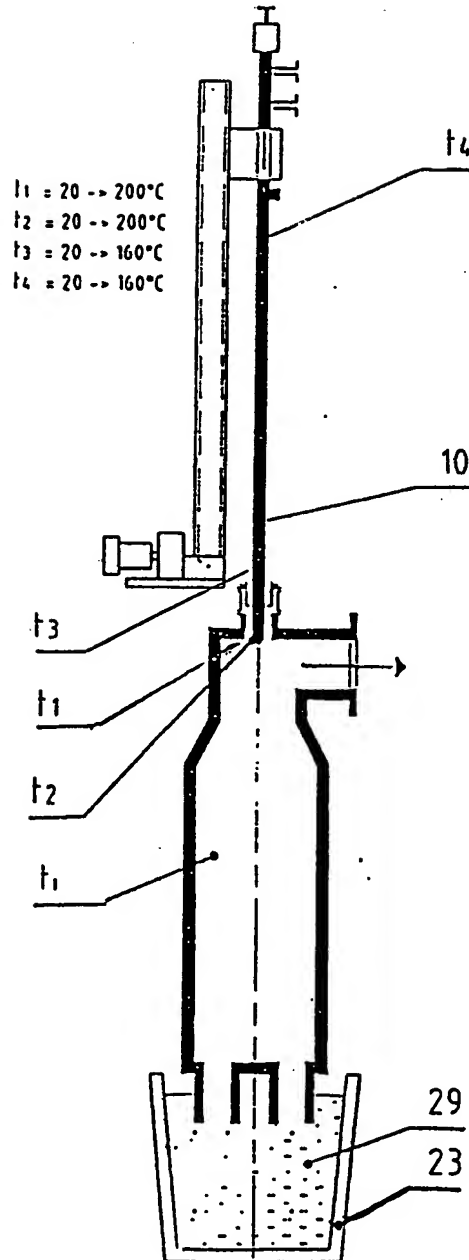


Fig.7



- Lance in Gefäß *LANCE IN VESSEL*
 - Vakuum *VACUUM* 4.0-0.7 mb
 - ohne Sauerstoff *WITHOUT OXYGEN*
 - Kühlung: Dampf 6 bar, 160°C, 360 kg/h, $t_{0A} = 360^\circ\text{C}$
COOLING

- Lance in obere Position *LANCE IN UPPER POSITION*
 - ohne Vakuum, Kaltstart: 20 → 160°C
 - ohne Sauerstoff *WITHOUT OXYGEN*
 - Kühlung: Dampf 6 bar, 160°C, 122 kg in 5 min
COOLING

ERSATZBLATT (REGEL 26)
 REPLACEMENT SHEET (RULE 26)

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Fig.8

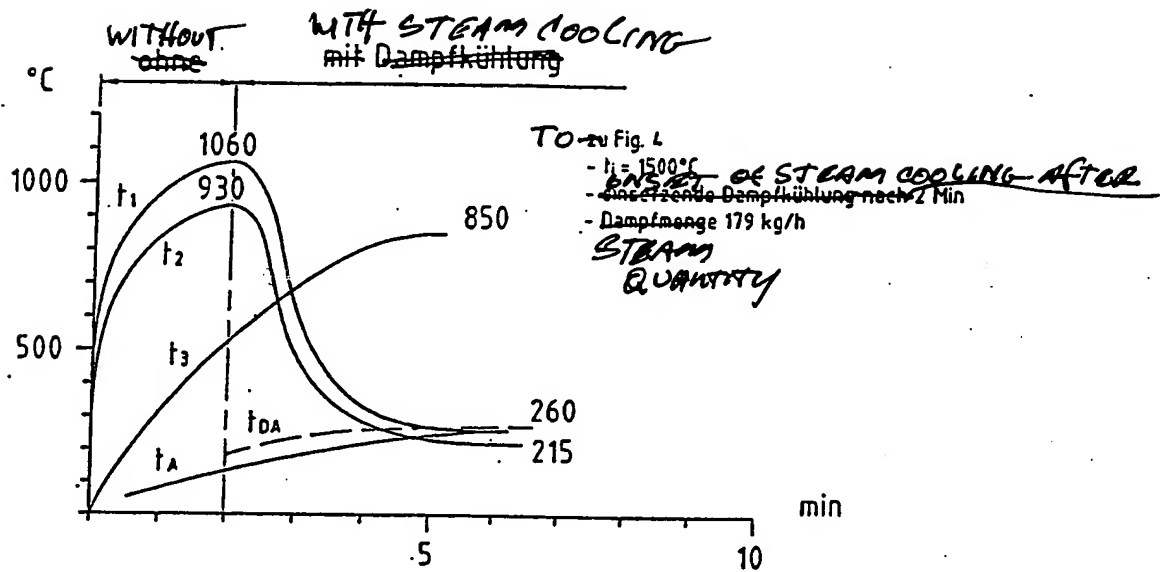
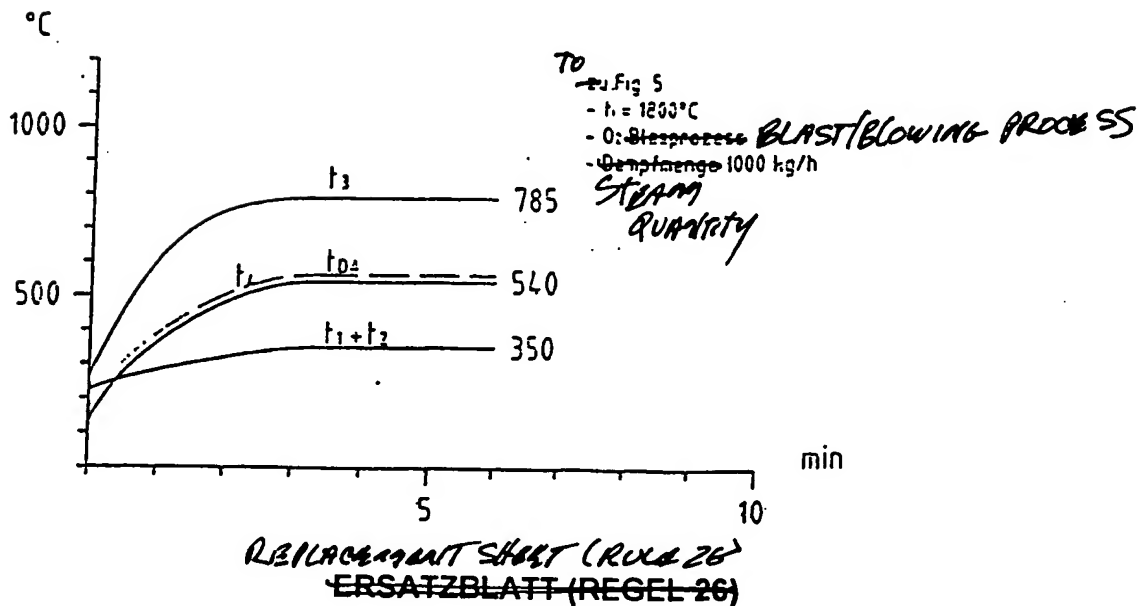


Fig.9



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Fig.10

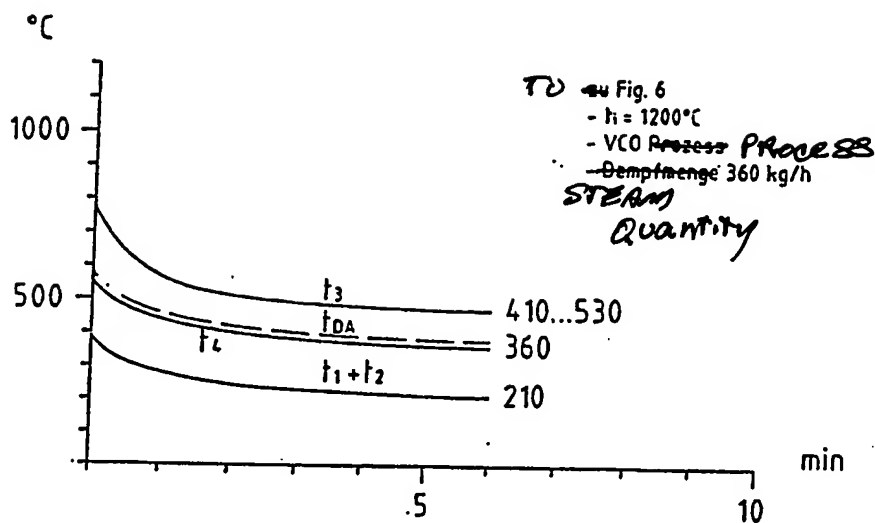


Fig.11

